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TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))	Docket No. 028420-0012CIP

In Re Application Of: **P. Kocher et al.**

Serial No. 10/005,105	Filing Date December 3, 2001	Examiner Unassigned	Group Art Unit Unassigned

Title: **Differential Power Analysis Method and Apparatus**

Address to:
Assistant Commissioner for Patents
Washington, D.C. 20231

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

    ☐ the statement specified in 37 CFR 1.97(e);

               OR

    ☐ the fee set forth in 37 CFR 1.17(p).

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Differential Power Analysis Method and Apparatus

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Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

☐ A check in the amount of   is attached.

☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 19-2385

as described below. A duplicate copy of this sheet is enclosed.

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_____
                    Signature

Dated: January 16, 2002

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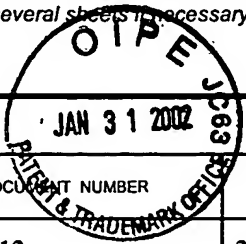Facsimile: (650) 470-4570

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INFORMATION DISCLOSURE CITATION
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ATTY DOCKET NO. 028420-0012CIP

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FILING December 3, 2001

GROUP Unassigned

U.S. PATENT DOCUMENTS

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	4,405,829	9/1983	Rivest et al.	178	22.1	
	4,759,063	7/1988	Chaum	380	30	
	4,799,258	1/1989	Davies	380	21	
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	5,297,207	3/1994	Degele	380	46	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		"Security Requirements for Cryptographic Modules," Federal Information Processing Standards Publication (FIPS PUB) 140-1, U.S. Department of Commerce, National Institute of Standards and Technology, January 1994, pp. 1-53.
		RSA Data Security, RSAREF Cryptographic Toolkit Source Code, File R_RANDOM.C, available from ftp://ftp.rsa.com, created 1991, pp. 1-2.

EXAMINER		DATE CONSIDERED	

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		6,041,122	03/2000	Graunke et al.	380	21	

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						.		
								.

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		M. Bellare et al., "Incremental Cryptography: The Case of Hashing and Signing" in: Desmedt, Y., Advances in Cryptology - Crypto 94 Proceedings (Springer-Verlag, 1994) pp. 216-233.
		Paul C. Kocher, "Timing Attacks on Implementations of Diffie-Hellman, RSA, DSS, and Other Systems," in: Koblitz, N., Advances in Cryptology - Crypto '96 (Berlin, Springer, 1996), pp. 104-113.

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028420-0012CIP	10/005,105

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FILING	GROUP
December 3, 2001	Unassigned

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO

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		Schneier, Bruce, Applied Cryptography, Second Edition: Protocols, Algorithms, and Source Code in C," John Wiley & Sons, Inc. 10/18/95, pp. 34-41, 390-392 and 480-481.
		Krawczyk, H., et al., "HMAC: Keyed-Hashing for Message Authentication," Network Working Group Request for Comments RFC 2104, February 1997, pp. 1-11.

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INFORMATION DISCLOSURE CITATION *(Use several sheets if necessary)*	**Docket Number (Optional)** 028420-0012CIP	**Application Number** 10/005,105
	Applicant(s) P. Kocher et al.	
	Filing Date December 3, 2001	**Group Art Unit** Unassigned

*EXAMINER INITIAL	OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*
[OIPE JC63 JAN 31 2002 PATENT & TRADEMARK OFFICE stamp]	Ryan, J. "Blinds for Thermodynamic Cipher Attacks," unpublished material on the World Wide Web at http://www.cybertrace.com/thrmatak.html, March 1996, pp. 1-7.
	"Data Encryption Standard," Federal Information Processing Standards Publication (FIPS PUB) 46-2, U.S. Department of Commerce, National Institute of Standards and Technology, December 30, 1993, pp. 1-21.
	Biham, E., et al., "Differential Fault Analysis of Secret Key Cryptosystems," in: Kaliski, B., Advances in Cryptology-CRYPTO '97 (Berlin, Springer, 1997), 17th Annual International Cryptology Conference, August 17-21, 1997, pp. 513-525.
	Based on "Karn/Hoey/Outerbridge" implementation (KHODES): "File DESC.C from RSAREF - Data Encryption Standard routines for RSAREF."
	Alfred J. Menezes et al., "Handbook of Applied Cryptography" (CRC Press, 1996), pages including 285-298, 312-319, 452-462, 475, 515-524.
	Bank Technology News. Cries of Wolf Over Smart Card Security? Faulkner & Gray, Inc. 01 November 1996.

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